

FLEXIBLE MICROCHIP DEVICES FOR OPHTHALMIC AND OTHER APPLICATIONS

Abstract of the Disclosure

Microchip device arrays that can conform to a curved surface are provided for the controlled release or exposure of reservoir contents. The arrays comprise two or more microchip device elements, each of which includes a plurality of reservoirs that contain molecules for controlled release or components for selective exposure, and a means for flexibly connecting the device elements. The reservoirs can contain one or more drugs and/or one or more secondary devices, such as a sensor or a component thereof. Preferably, the microchip devices contain and controllably release therapeutic, prophylactic, and diagnostic molecules to and into the eye of a patient in need thereof.